

Labs21 Best Practice Guides Application Form

F YOU ARE INTERESTED IN SERVING as a Lead Developer or Contributing Author for one or more of the Labs21 Best Practice Guides, please fill out this application form. For each topic you select, please identify the role you would like to play in developing the guide. Fax your completed form to 703 841-1440.

After you submit your application form, you will be contacted by a Labs21 representative to discuss your interest in this project. Please be aware that your participation in this effort is completely voluntary and that, while you will be recognized by Labs21 for your contributions, you will not receive any monetary compensation. Also, Labs21 will have wide, unrestricted use of the finished product. Prior to beginning work on this project, you will be asked to confirm your understanding of the standard government restrictions on how the best practice guides can be used and distributed.

Participant Information

Name:		
Гitle:		
Street Address:		
City:	State:	Zip Code:
Phone:		
Fax:		
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Best Practice Guides

Labs21 has identified **bold** items as high priority topics. Note that for some topics, guides are already under development and may not need Lead Developers and/or Contributing Authors. These are marked "N/A."

Design Area	Best Practice Guide	Lead Developer	Contributing Author
Sustainable Sites	Modeling of airborne releases Post-construction testing and certification of airborne releases	N/A	N/A
	Effluent minimization and mitigation		
Water Efficiency	Water conservation in laboratories	N/A	
Energy – Loads	 Optimize ventilation requirements Minimize simultaneous heating and cooling 	N/A N/A	
	Right-size laboratory equipment loads		
1	Daylighting in laboratories	N/A	N/A
	High performance facades	Ó	Ó
	Optimize temperature and humidity setpoints		
Energy – Ventilation	 Efficient fume hood systems Low-pressure drop distribution	N/A N/A	N/A N/A
	system	_	
	 Manifolded exhaust systems Specifying efficient fans, motors, drives 		
	Ventilation system control strategies		
Energy – Cooling & Heating	 Energy recovery Efficient chiller systems for	N/A	N/A
	laboratories		
	Thermal energy storage		
	Evaporative cooling		
	Desiccant dehumidification		
	Efficient boiler systems for laboratories		
	Waste water heat exchangersGas-driven humidification		
Energy – Commissioning	New construction commissioning Retro-commissioning		
Energy - Lighting	Efficient electrical lighting in laboratories	N/A	

Design Area	Best Practice Guide	Lead Developer	Contributing Author
Energy – Supply	 Combined heat and power Onsite renewable energy strategies for laboratories 	N/A	N/A
Energy – Electrical Systems	Specify energy efficient laboratory equipment		
bystems	Configure equipment to minimize internal heat gain		
	Strategies to minimize electrical distribution losses		
Materials and Resources	Strategies to track and manage hazardous materials stream		
Indoor Environmental Quality	• Fume hood and laboratory		
	commissioning CFD modeling to optimize indoor air flow		
	Room pressure control Self-identifying and failsafe alarm	0	<u> </u>
//	systemsDisplacement ventilation in laboratory spaces		
Laboratory Design	Design for flexibility and reconfigurability		
Design Process	Sustainable design process with Labs21 Tool Kit	N/A	N/A
Other	Please list your additional suggestions:		

Additional Information

1.	Please describe your relevant experience for each selected topic.
2.	Please list your professional qualifications and license(s).
3.	Please highlight your publication record.
1	Are you willing to work on an inter-organizational team to develop the guide?
4.	Are you willing to work on an inter-organizational team to develop the guide?
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